



aTyr Pharma

aTyr Pharma Presents at American Society of Human Genetics 2018 Meeting

October 17, 2018

SAN DIEGO, Oct. 17, 2018 (GLOBE NEWSWIRE) -- aTyr Pharma, Inc. (Nasdaq: LIFE), a biotherapeutics company engaged in the discovery and development of innovative medicines based on novel immunological pathways, today announced a presentation at the American Society of Human Genetics 2018 Meeting in San Diego, California from October 16 - 20, 2018.

Presentation: Wednesday, October 17, 2018 from 6:30 to 6:45 pm (PDT)

Title: *"Bi-allelic mutations in Phe-tRNA synthetase identified from four families are associated with a multi-system disease and support ex-translational function"*

Presenter: Zhiwen Xu, Ph.D., aTyr Pharma, Inc.

Conclusions:

- Mutations have been increasingly identified in aminoacyl tRNA synthetases which are associated with various serious disease states.
- This presentation highlights a new class of mutations in Phe-tRNA synthetase (FARS) which do not affect protein synthesis, but are associated with multi-system disease with common features of hypotonia and interstitial lung disease with cholesterol pneumonitis.
- These results support a disease mechanism independent of protein translation and suggest that this FARS activity is essential for normal function in multiple organs, particularly lung and brain.

About aTyr

aTyr is a biotherapeutics company engaged in the discovery and development of innovative medicines based on novel immunological pathways. aTyr's research and development efforts are concentrated on a newly discovered area of biology, the extracellular functionality of tRNA synthetases. aTyr has built a global intellectual property estate directed to a potential pipeline of protein compositions derived from 20 tRNA synthetase genes. aTyr is focused on the therapeutic translation of the Resokine pathway, comprised of extracellular proteins derived from the histidyl tRNA synthetase gene family. ATYR1923 is a clinical-stage product candidate which binds to the neuropilin-2 receptor and is designed to down-regulate immune engagement in interstitial lung diseases and other immune-mediated diseases. For more information, please visit <http://www.atyrpharma.com>.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Litigation Reform Act. Forward-looking statements are usually identified by the use of words such as "anticipates," "believes," "estimates," "expects," "intends," "may," "plans," "projects," "seeks," "should," "will," and variations of such words or similar expressions. We intend these forward-looking statements to be covered by such safe harbor provisions for forward-looking statements and are making this statement for purposes of complying with those safe harbor provisions. These forward-looking statements, including statements regarding the potential therapeutic benefits and applications of our product candidates; our ability to successfully advance our product candidates, undertake certain development activities (such as the initiation of clinical trials, clinical trial enrollment, the conduct of clinical trials and the announcement of top-line results) and accomplish certain development goals, and the timing of such events; and the scope and strength of our intellectual property portfolio. These forward-looking statements also reflect our current views about our plans, intentions, expectations, strategies and prospects, which are based on the information currently available to us and on assumptions we have made. Although we believe that our plans, intentions, expectations, strategies and prospects, as reflected in or suggested by these forward-looking statements, are reasonable, we can give no assurance that the plans, intentions, expectations or strategies will be attained or achieved. Furthermore, actual results may differ materially from those described in these forward-looking statements and will be affected by a variety of risks and factors that are beyond our control including, without limitation, risks associated with the discovery, development and regulation of our product candidates, the risk that we may cease or delay preclinical or clinical development activities for any of our existing or future product candidates for a variety of reasons (including difficulties or delays in patient enrollment in planned clinical trials), and the risk that we may not be able to raise the additional funding required for our business and product development plans, as well as those risks set forth in our most recent Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and in our other SEC filings. Except as required by law, we assume no obligation to update publicly any forward-looking statements, whether as a result of new information, future events or otherwise.

Contact:

Jason Spark
Managing Director, Canale Communications Inc.

jason@canalecomm.com

619-849-6005



Source: aTyr Pharma, Inc.